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WORCESTER, MA 01608



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/12/1996

REEL/FRAME: 8268/0033
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CAMBRIDGE BIOTECH CORPORATION

DOC DATE: 10/22/1996

ASSIGNEE:

AQUILA BIOPHARMACEUTICALS, INC.
365 PLANTATION STREET
WORCESTER, MASSACHUSETTS 01605

SERIAL NUMBER: 07661370
PATENT NUMBER:

FILING DATE: 02/28/1991
ISSUE DATE:

SERIAL NUMBER: 07906880
PATENT NUMBER: 5583112

FILING DATE: 07/02/1992
ISSUE DATE: 12/10/1996

SERIAL NUMBER: 08299092
PATENT NUMBER:

FILING DATE: 09/02/1994
ISSUE DATE:

SERIAL NUMBER: 08459502
PATENT NUMBER:

FILING DATE: 06/02/1995
ISSUE DATE:

SERIAL NUMBER: 08470358
PATENT NUMBER:

FILING DATE: 06/06/1995
ISSUE DATE:

SERIAL NUMBER: 08613415
PATENT NUMBER:

FILING DATE: 03/11/1996
ISSUE DATE:

SERIAL NUMBER: 06423744
PATENT NUMBER: 4455842

FILING DATE: 09/27/1982
ISSUE DATE: 06/26/1984

SERIAL NUMBER: 06764253
PATENT NUMBER: 4677194

FILING DATE: 08/09/1985
ISSUE DATE: 06/30/1987

SERIAL NUMBER: 07062700
PATENT NUMBER: 4780529

FILING DATE: 06/16/1987
ISSUE DATE: 10/25/1988

SERIAL NUMBER: 06934838
PATENT NUMBER: 4911910

FILING DATE: 11/25/1986
ISSUE DATE: 03/27/1990

SERIAL NUMBER: 07573268
PATENT NUMBER: 5057540

FILING DATE: 08/27/1990
ISSUE DATE: 10/15/1991

SERIAL NUMBER: 07906870
PATENT NUMBER: 5273965

FILING DATE: 07/02/1992
ISSUE DATE: 12/28/1993

SERIAL NUMBER: 07869082
PATENT NUMBER: 5352449

FILING DATE: 04/14/1992
ISSUE DATE: 10/04/1994

SERIAL NUMBER: 08126190
PATENT NUMBER: 5443829

FILING DATE: 09/24/1993
ISSUE DATE: 08/22/1995

SERIAL NUMBER: 08029402
PATENT NUMBER: 5516657

FILING DATE: 03/05/1993
ISSUE DATE: 05/14/1996

ANNIE HARRELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

12-17-1996

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings → → → ▼

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DEC 12 1996

Filed original documents or copy thereof

To the Honorable Commissioner of Patents

1. Name of conveying party(ies): MRD 12-12-96

Cambridge Biotech Corporation

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: October 22, 1996

2. Name and address of receiving party(ies):

Name: Aquila Biopharmaceuticals, Inc.

Internal Address: _____

Street Address: 365 Plantation StreetCity: Worcester State: MA ZIP: 01605Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

07/661,370
07/906,880
08/299,092
08/459,502
08/470,358
08/613,415

B. Patent No.(s)

4,455,842 5,057,540
4,677,194 5,273,965
4,780,529 5,352,449
4,911,910 5,443,829
 5,516,657

Additional numbers attached? ☒ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: M. Elissa Boisvert, Esq.Internal Address: Bowditch & DeweyStreet Address: 311 Main StreetCity: Worcester State: MA ZIP: 016086. Total number of applications and patents involved: 157. Total fee (37 CFR 3.41):..... \$ 600.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: _____

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

M. Elissa Boisvert

Name of Person Signing

M. Elissa Boisvert

Signature

12/14/96

Date

Total number of pages comprising cover sheet:

1

ASSIGNMENT OF PATENTS

WHEREAS, Cambridge Biotech Corporation, a Delaware corporation, having a principal place of business at 365 Plantation Street, Worcester, Massachusetts 01605 ("Assignor"), is the owner of the entire right, title and interest in and to the inventions disclosed in the United States patent applications and United States patents on the schedule attached hereto and incorporated herein by reference as Exhibit A ("Patents");


WHEREAS, Aquila Biopharmaceuticals, Inc., a Delaware corporation, having a principal place of business at 365 Plantation Street, Worcester, Massachusetts 01605 ("Assignee"), is desirous of acquiring the entire right, title and interest in and to the Patents;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents does hereby sell, assign, and transfer to Assignee, its successors and assigns, the entire right, title, and interest in and to the Patents and any patents, and any reissues and extensions thereof, which issue or have issued in any country upon patent applications which correspond with any of such applications or patents or any divisional, continuation-in-hold, or continuation-in-part thereof, including the right to sue and collect for past infringements ("Extended Rights"); the same to be held and enjoyed by Assignee for its own use, and for the use of its legal representatives, to the full term for which the Patents and Extended Rights have been granted as fully and entirely as the same would have been held by Assignor had this Assignment not been made.

Assignor does hereby further covenant and agree that it will not execute any writing or do any act whatsoever conflicting with these presents, and that Assignor, its successors and assigns, will at any time upon request of Assignee, its successors and assigns, execute such additional writings and do such additional acts as Assignee, its successors and assigns, may determine as necessary or desirable in the enjoyment of this grant, and in any proceedings or transactions involving the Patents or Extended Rights.

IN WITNESS WHEREOF, the Assignor, by its duly authorized officer, has executed this Assignment, as an instrument under seal, on this 22nd day of October, 1996.

CAMBRIDGE BIOTECH CORPORATION

By: 
Alison Taunton-Rigby
President and CEO

THE COMMONWEALTH OF MASSACHUSETTS

Worcester, ss.

December 2 , 1996

I, KAREN FEGREUS MEENAN, a Notary Public in and for the aforesaid Commonwealth and County, DO HEREBY CERTIFY THAT Alison Taunton-Rigby who is personally well known to me as the person named as President personally appeared before me in said State and County ~~and~~ as aforesaid and by virtue of the authority vested in her by said *, acknowledged the same to be the act and deed of the * therein.

Given under my hand this 2nd day of ~~November~~ ^{December}, 1996.

Karen Fegreus Meenan
Notary Public
My commission expires:

Karen Fegreus Meenan
Notary Public
My Commission Expires July 10, 2002

* Cambridge Biotech Corporation

EXHIBIT A

Patents and Patent Applications

<u>Patent Name</u>	<u>Patent or Application No.¹</u>
Method of Preparation and Use of Feline Leukemia Antigen	07/869,082 5,352,449
Saponin Adjuvant	07/573,268 5,057,540
Saponin-Antigen Conjugates and the Use Thereof	07/906,880
Recombinant FIV Glycoprotein 160 and P24 GAG Protein	07/661,370
Baculovirus Vectors for Expression of Secretory and Membrane Bound Proteins	08/029,402 5,516,657
Methods for Enhancing Drug Delivery with Saponins	07/906,870 5,273,965
Modified Saponin for Enhancing Drug Delivery	08/126,190 5,443,829
Drug Delivery Enhancement via Modified Saponins	08/459,502
Methods of Inducing Immunity to Bacteria Causing Lyme Disease and a Simple Colorimetric Microtiter Assay for Borreliacidal Activity of Antisera	08/299,092
Cell Lines Infected with Granulocytic Ehrlichia, Vaccines, Diagnostics and Methods	08/470,358

¹ All references are to United States Patent or patent application numbers and are deemed to include foreign counterparts.

<u>Patent Name</u>	<u>Patent or Application No.</u>
Cell Lines Infected with Granulocytic Ehrlichia, Vaccines, and Methods	08/613,415
Device and Method for Controlled Freezing of Cell Cultures	4,455,842
Isolation of an Endotoxin Inactivator From Human Plasma	4,677,194
Isolation of an Endotoxin Inactivator From Human Plasma, and Methods of Use	4,780,529
Purified Equine Immunoglobulins and Method of Use Thereof	4,911,910
Modified Polynucleotides and Methods for Their Production	189,222